

# S. S. PAPADOPULOS & ASSOCIATES, INC. ENVIRONMENTAL & WATER RESOURCE CONSULTANTS

#### INVOICE

Client:

**US Environmental Protection Agency** 

RTP Finance Center

(AA216-01)

109 TW Alexander Drive

Durham, NC 27711

Mr. Daniel Olsson

Invoice#: 23440

Date: 7/14/2021

Project Name: EPAR5: Hydrogeologic Synthesis & Modeling

Support

Project#: 1725

Comments:

GSA Contract #GS-10F-0462M Order No.: 68HE0520F0029 Remit Payment To:

S. S. Papadopulos & Associates, Inc.

1801 Rockville Pike - Suite 220

Rockville, MD 20852 Phone: (301) 718-8900

For Services Rendered Through 6/30/2021

#### 001-01-10 - 0001AA-Ottawa Township Flat Glass Superfund Alternative Site

#### Professional Services

Employee Type	Hours	Rate	Amount
Associate			
Neville, Christopher			\$4,548.75
Sr. Project Hydrogeologist/Sci			
Sorel, Dominique			\$878.46
Prj. Hydrogeologist/Sci.			
Shannon, Rachel	88		\$2,261.85
Technician/Draftsperson			
Pekoske, Kristen M		0	\$96.38
Labor Subtotal			\$7,785.44
Item Subtotal			\$7,785.44

#### 002-01-10 - 0001AB-Union Carbide Corporation Superfund Site

#### Professional Services

<u>Employee Type</u>	Hours	Rate	Amount
Associate			
Spiliotopoulos, Alexandros			\$1,273.65
Technician/Draftsperson			
Pekoske, Kristen M			<b>\$</b> 57.82
Labor Subtotal			\$1,331.48
Item Subtotal		••••	\$1,331.48

### 003-01-10 - 0001AC-St. Regis Paper Company Superfund Site

#### **Professional Services**

Employee Type			Hours	Rate	Amount
Sr. Project Hydrogeologist/Sci					
Sorel, Dominique					\$1,171.28
Technician/Draftsperson					
Pekoske, Kristen M					\$77.10
Labor Subtotal					\$1,248.38
Outside Consultants					
Activity/Vendor	Invoice	Date	Cost	Mult	Amount
Subterranean Research, Inc.	SSP20201-I17	6/30/2021			\$1,757.88
Outside Consultants Subtotal				*****	\$1,757.88
Item Subtotal					\$3,006.26
004-00-10 - 0001AD-Pristine Superfund Site					
Professional Services					
Employee Type			Hours	Rate	Amount
Principal					
Tonkin, Matthew J					\$1,272.15
Sr. Hydrogeologist/Sci.					
Mihm, Kathleen					\$403.72
Sr. Project Hydrogeologist/Sci					
Karanovic, Marinko					\$1,390.90
Perozo, Erica L. DiFilippo					\$1,903.33
Technician/Draftsperson					
Pekoske, Kristen M					\$115.65
Labor Subtotal		_		****	\$5,085.76
Item Subtotal					\$5,085.76
005-01-10 - 0001AE-Chemical Recovery Sys	tems Superfund Si	te			
Professional Services					
Employee Type			Hours	Rate	Amount
Principal					
Tonkin, Matthew J					\$1,850.40
Associate					
Huber, William A					\$363.90
Sr. Hydrogeologist/Sci.					
Mihm, Kathleen					\$686.33

Project 1725 EPA R5: Hydrogeologic Synthe	esis & Modeling Suppo	rt		Inv	voice 23440
Sr. Project Hydrogeologist/Sci					
Perozo, Erica L. DiFilippo					\$73.20
Sorel, Dominique					\$4,611.92
Prj. Hydrogeologist/Sci.					
Parratt, Toomas					\$266.10
Technician/Draftsperson					
Pekoske, Kristen M					\$231.30
Labor Subtotal				****	\$8,083.16
Reimbursables					
Activity/Vendor Color copy 600 DPI	Invoice	Date	Cost	Mult	Amount
ZEXP - Internal Project Charges	06302021	6/30/2021			\$1.25
In-House Reproduction Costs					
ZEXP - Internal Project Charges	06302021	6/30/2021			\$1.92
Reimbursable Subtotal				******	\$3.17
Item Subtotal				veee	\$8,086.33
007-01-10 - 0001AG-Lemberger Transpor	t & Recycling Superfu	ınd Sites			
Outside Consultants					
Activity/Vendor	Invoice	Date	Cost	Mult	Amount
Activity/Vendor  Subterranean Research, Inc.	Invoice SSP20201-I17	<b>Date</b> 6/30/2021	Cost	Mult	<b>Amount</b> \$208.17
			Cost	Mult	
Subterranean Research, Inc.			Cost	<b></b>	\$208.17
Subterranean Research, Inc.  Outside Consultants Subtotal	SSP20201-I17		Cost	<b></b>	\$208.17 <b>\$208.17</b>
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal	SSP20201-I17		Cost	<b></b>	\$208.17 <b>\$208.17</b>
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries S	SSP20201-I17		Cost	<b></b>	\$208.17 <b>\$208.17</b>
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants	SSP20201-I17 Superfund Site	6/30/2021		<b></b>	\$208.17 <b>\$208.17</b> <b>\$208.17</b>
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries S  Outside Consultants  Activity/Vendor	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date		<b></b>	\$208.17 \$208.17 \$208.17 Amount
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants  Activity/Vendor  Subterranean Research, Inc.	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date		<b></b>	\$208.17 \$208.17 \$208.17 Amount \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date		<b></b>	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries S  Outside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date		<b></b>	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  009-01-10 - 0001AI-SE Rockford	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date		<b></b>	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries S  Outside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  009-01-10 - 0001AI-SE Rockford  Professional Services	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date	Cost	Mult	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  009-01-10 - 0001AI-SE Rockford  Professional Services  Employee Type	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date	Cost	Mult	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  009-01-10 - 0001AI-SE Rockford  Professional Services  Employee Type Sr. Project Hydrogeologist/Sci	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date	Cost	Mult	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99 \$531.99
Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  008-01-10 - 0001AH-Hedblum Industries Soutside Consultants  Activity/Vendor  Subterranean Research, Inc.  Outside Consultants Subtotal  Item Subtotal  009-01-10 - 0001AI-SE Rockford  Professional Services  Employee Type  Sr. Project Hydrogeologist/Sci Sorel, Dominique	SSP20201-I17 Superfund Site Invoice	6/30/2021 Date	Cost	Mult	\$208.17 \$208.17 \$208.17 Amount \$531.99 \$531.99 \$531.99

Project 1725 EPA R5: Hydrogeologic Synthesis & Modeling Support		Inv	oice 23440
Staff Hydrogeologist/Sci.			
Adams, Glen			\$51.77
Technician/Draftsperson	_		
Pekoske, Kristen M	<u></u> _	******	\$57.82
Labor Subtotal			\$3,715.59
Item Subtotal			\$3,715.59
010-01-10 - 0001AJ-Forest Waste Superfund Site			
Professional Services			
Employee Type Principal	Hours	Rate	Amount
Tonkin, Matthew J			\$693.90
Associate			
Neville, Christopher			\$181.95
Soderberg, Keir S			\$909.75
Sr. Project Hydrogeologist/Sci			
Sorel, Dominique			\$2,855.00
Prj. Hydrogeologist/Sci.			
Slawter, Kristen EM			\$3,093.41
Technician/Draftsperson			
Pekoske, Kristen M			\$115.65
Labor Subtotal			\$7,849.66
Item Subtotal			\$7,849.66
011-01-10 - 0001AK - Motor Wheel Tire Disposal			
Professional Services			
Employee Type	Hours	Rate	Amount
Technician/Draftsperson			
Pekoske, Kristen M			\$57.82
Labor Subtotal			\$57.83
Item Subtotal			\$57.83
012-02-10 - 0001AL - Verona Wells - OU2			
Professional Services			
Employee Type	Hours	Rate	Amount
Principal			
Tonkin, Matthew J			\$1,850.40
Sr. Project Hydrogeologist/Sci			
Sorel, Dominique			\$7,613.32
Prj. Hydrogeologist/Sci.			
Cousins, S. James			\$532.20
			D 4 C E

Page 4 of 5

Project 1725 EPA R5: Hydrogeologic Syntho	esis & Modeling Supp	ort		In	voice 23440
Karanovic, Zdravka					\$3,991.50
Wang, Xiaomin					\$3,060.15
Staff Hydrogeologist/Sci.					
Adams, Glen					\$103.54
Technician/Draftsperson					
Pekoske, Kristen M					\$134.92
Labor Subtotal					\$17,286.04
Item Subtotal				***	\$17,286.04
013-01-10 - 0001AM - Hagen Farm					
Professional Services					
Employee Type Sr. Project Hydrogeologist/Sci			Hours	Rate	Amount
Sorel, Dominique					\$4,538.71
Sr. Staff Hydrogeologist/Sci.					
O'Connell, Matthew T					\$718.62
Technician/Draftsperson					
Pekoske, Kristen M					\$38.55
Labor Subtotal					\$5,295.88
Outside Consultants					
Activity/Vendor	Invoice	Date	Cost	Mult	Amount
Subterranean Research, Inc.	SSP20201-I17	6/30/2021			\$4,602.87
Outside Consultants Subtotal					\$4,602.87
Item Subtotal				***	\$9,898.75
Invoice Amount				*******	\$64,843.30
Project Summary					
Budget	Previously Billed	Current Billing	Billed To Date	Budge	et Remaining

 Budget
 Previously Billed
 Current Billing
 Billed To Date
 Budget Remaining

 \$1,992,360.60
 \$694,065.35
 \$64,843.30
 \$758,908.65
 \$1,233,451.95

Matthew J. Tonkin Project Manager

S.S. Papadopulos & Associates, Inc.

505 N. Pine St., Williamsfield, IL 61489-9517

Web: www.sspa.com // Email: matt@sspa.com // Skype: mattsspa

Office: (309) 616 9060 // Cell: (508) 815-9886



#### S.S. PAPADOPULOS & ASSOCIATES, INC.

#### **ENVIRONMENTAL & WATER-RESOURCE CONSULTANTS**

# **EPA Region 5 Support Description of Services Performed**

Period of Performance: Through June 2021

#### 1725-002-01-10 0001AA-Ottawa Township Flat Glass Superfund Alternative Site

Services were performed by the following SSP&A staff:

Staff	Hours
Christopher Neville	
Dominique Sorel	
Rachel Shannon	
Kristen Pekoske	

During this period, C. Neville summarized comments from EPA, joined a teleconference to plan responses to comments, and prepared draft responses to EPA comments. D. Sorel joined a work session with R. Shannon to address EPA's comments, communicated with C. Neville regarding EPA's comments, prepared a work plan to address comments, worked on the monthly report, and joined a call with C. Neville and R. Shannon. R. Shannon reviewed and worked on responses to comments from EPA. She also updated water-level and arsenic maps. K. Pekoske worked on the monthly report.

#### 1725-002-01-10 0001AB-Union Carbide Corporation Superfund Site

Services were performed by the following SSP&A staff:

Staff	Hours
Alexandros Spiliotopoulos	
Kristen Pekoske	

During this period, A. Spiliotopoulos reviewed the proposed performance evaluation outline by Jacobs, worked on monthly reporting, reviewed the status report, prepared comments/proposals for discussion with EPA and Ohio EPA, and reviewed proposed performance evaluation by UCC. Finally, he joined a call with EPA and Ohio EPA on proposed well installation and performance evaluation. K. Pekoske worked on the monthly report.

#### 1725-003-01-10 0001AC-St. Regis Paper Company Superfund Site

Staff	Hours
Dominique Sorel	
Kristen Pekoske	

During this period, D. Sorel worked on the 5YR Review. She also spent time on annual and workplan review, participated on the Group Call, and worked on the monthly report. K. Pekoske added documents to Endnote and worked on the monthly report.

1725-004-01-10 0001AD-Pristine Superfund Site Systems

Staff	Hours
Kathleen Mihm	
Marinko Karanovic	
Erica Perozo	
Matthew Tonkin	
Kristen Pekoske	

During this period, K. Mihm reviewed visualization and a spreadsheet and joined a couple conference calls. M. Karanovic prepared for and joined several conference calls. He also reviewed indicator kriging results. E. Perozo joined several calls with EPA throughout June, including calls regarding additional wells, EVS, and 3D visualization. She also joined several calls with GHD, including one discussing 3D visualization, and she generated a map of new well locations. Finally, E. Perozo joined a call with the PRP group and worked on the summary memo. M. Tonkin joined a conference call with EPA to discuss monitoring locations, joined a netMeeting with SMEs / RP consultants regarding the 3D data sets and visualization, joined a meeting with EPA and SMEs on 3D data interpretation and comments developed so far, and then followed up with suggestions to E. Perozo and M. Karanovic. He prepared for 3D geology call, which he left early as all necessary staff present for purpose of call. M. Tonkin also attended a call with EPA and RP group regarding 3D visualization process and outcomes, reviewed and edited a memo from the call, and followed up with E. Perozo on path forward. K. Pekoske worked on the monthly report.

1725-005-01-10 0001AE-Chemical Recovery Systems Superfund Site

Staff	Hours
William Huber	
Kathleen Mihm	
Erica Perozo	
Dominque Sorel	
Toomas Parratt	
Matthew Tonkin	
Kristen Pekoske	

During this period, W. Huber joined a call with M. Tonkin, adapted R code, and sent an email to M. Tonkin. K. Mihm worked on QAPP revisions for EPA Region 5 and Pristine, including responding to comments and updating the June 2021 document. She also worked on QMP revisions. E. Perozo reviewed the QAPP. D. Sorel worked on the QAPP and QMP documents, joined a call with J. Canova and M. Kerr regarding lab selection, contacted labs, obtained SOPs, and addressed questions from an internal reviewer on the AUV report; finalized the draft report and submitted it to EPA; joined a call with EPA (J. Canova) to review the draft report; updated the AUV report with groundwater quality

data from 2020; joined a call with T. Parratt discussing AUV low DO and pH results; and updated the text with a quote from the USGS report regarding low DO measurements before instrument malfunction. She also spent time on data analysis to separate data groups (Sewer, upgradient anomaly and other River/AUV Mission data), communicated with EPA and SSP&A staff regarding upcoming split sampling schedule, and worked on the monthly report. Finally, D. Dorel communicated with EPA regarding EQUIS. T. Parratt joined a call with D. Sorel and had a discussion with M. Tonkin. M. Tonkin joined a call with D. Sorel to go over documents and the AUV USGS study. He attempted further postprocessing of data, joined a call with B. Huber to discuss other data processing options, discussed the EPC method, reviewed the EPC method for potential application, and worked through an R analysis package. Finally, he setup a time series example for Mission 1, worked on AUV data plotting, and finished and provided a template to K. Pekoske for updates on the other Missions. K. Pekoske added documents to Endnote. She also worked on AUV data plotting for 8 Missions and prepared the monthly report.

#### 1725-009-01-10 0001AI-SE Rockford

Staff	Hours
Dominique Sorel	
Zdravka Karanovic	
Glen Adams	
Kristen Pekoske	

During this period, D. Sorel communicated with EPA, received data, sent instructions for the database, reviewed new data received for SA9/10, and communicated with Z. Karanovic to QA/QC data received. Additionally, she corresponded with Z. Karanovic regarding updating the database, transmitted data to finalize the update, and worked on the monthly report. Z. Karanovic updated and worked on the database. G. Adams converted coordinates from state plane to UTM to match another dataset. K. Pekoske worked on the monthly report.

#### 1725-010-01-10 001AJ-Forest Waste Superfund Site

Staff	Hours
Christopher Neville	
Keir Soderberg	
Dominque Sorel	
Kristen Slawter	
Matthew Tonkin	
Kristen Pekoske	

During this period, C. Neville attended a monthly update teleconference and reviewed notes from the teleconference. K. Soderberg worked on a dioxane result question, had a discussion with K. Slawter and D. Sorel, reviewed the memo, and checked data. D. Sorel had a discussion with K. Soderberg and K. Slawter regarding data validation for residential well 1,4-Dioxane detections in blanks. She prepared for and participated in FWCC call #3, prepared call minutes, corresponded with EPA, and joined a work session with K. Slawter and K. Soderberg regarding residential sampling blank detections.

Finally, she worked on the monthly report, reviewed and transmitted the memo on residential sampling detections, held discussions with K. Soderberg and M. Tonkin, communicated with EPA, and worked on the QAPP and the residential wells memo. K. Slawter conducted a QA review, updated and discussed a response, made edits to and clarified edits for the trip blank memo, and worked on the QAPP. M. Tonkin edited the call status memo, corresponded with D. Sorel on memo contents, and joined a status meeting (met with D. Sorel prior to, and following). He edited the meeting minutes, provided input on comments to letters, reviewed 1,4-Dioxane results, and the technical memorandum. Finally, he discussed findings and recommendations with D. Sorel. K. Pekoske worked on the monthly report.

#### <u>1725-011-01-10 0001AK - Motor Wheel Tire Disposal</u>

Staff	Hours
Kristen Pekoske	

During this period, K. Pekoske worked on the monthly report.

#### 1725-012-01-10 0001AL - Verona Wells - OU2

Staff	Hours
Zdravka Karanovic	
Dominique Sorel	
Xiaomin Wang	
Glen Adams	
S. James Cousins	
Matthew Tonkin	
Kristen Pekoske	

During this period, Z. Karanovic updated the database, worked on data analysis, and prepared a data summary. D. Sorel provided data and instructions to X. Wang to reproduce the 2020 potentiometric map with KT3D H2O, requested an update to GWD basemap, corresponded with EPA regarding the review schedule, corresponded with M. Tonkin regarding internal review, and provided review materials. She reviewed the 2020 annual report and worked on the monthly report. D. Sorel also worked on water-level mapping, trend analysis including c1,2 DCE in V13 and V36, prepared the draft report, and communicated with Z. Karanovic, M. Tonkin, S.J. Cousins, and X. Wang. Finally, she worked on analysis of the sampling program, formulated recommendations, updated the report, transmitted the draft report to EPA, and communicated with EPA. X. Wang reviewed the 2020 report, converted a table to pdf and assembled all input data for GWD, and generated WL contours. She worked on KT3D H2O water-level mapping, created tables and ArcMap figures for the report and helped S.J. Cousins with maps. G. Adams added aerial imagery to the GWD project and helped X. Wang with an issue in Arcmap where labels would not display. During this period, S.J. Cousins worked on spatial analysis/figures. M. Tonkin reviewed the 2020 annual report, and backup materials. He co-authored the summary technical memorandum on the review, reviewed time series and water-level mapping data, and worked on overlays and figure revisions. He also spent additional time on reviewing and editing the annual report, well locations, capture, and time-series. Finally, M. Tonkin joined a call with

D. Sorel; reviewed trends data; and worked on review, comments, edits, and QA of the technical memorandum on the annual report and monitoring plan documents. K. Pekoske worked on the monthly report and reviewed a memo for D. Sorel.

#### 1725-013-01-10 0001AM - Hagen Farm

Staff	Hours
Dominique Sorel	
Matthew O'Connell	
Kristen Pekoske	

During this period, D. Sorel reviewed the report, updated FYR report in collaboration with Subterranean, and sent combined comments to EPA. At EPA's request, D. Sorel performed data analysis similar to what was completed during the prior FYR for on site, off site and residential wells (hydraulic gradient, VOCs data, Inorganics, DO, redox trends, summary of exceedances); prepared and reviewed graphs; and updated the text. She also worked on the monthly report, communicated with EPA, and updated figure titles. M. O'Connell worked on time series plots. K. Pekoske worked on the monthly report.

#### Subterranean Research, Inc.

Services were performed by Subterranean on the following tasks, through June:

Site	Hours
St. Regis	7.6
Lemberger Transport and	0.9
Recycling	
Hagen Farm	19.9
Hedblum	2.3

Work completed by Subterranean during this period is described on their attached invoice.

S.S. PAPADOPULOS & ASSOCIATES, INC.

Dominique Soral

Summary completed by:

**Dominique Sorel** 

Alternate Project Manager

Summary reviewed by:

Matthew Tonkin

Project Manager



## S.S. PAPADOPULOS & ASSOCIATES, INC. ENVIRONMENTAL & WATER-RESOURCE CONSULTANTS

## **Site Specific Detail Report**

**EPA TASK ORDER #: 68HE0520F0029** 

GSA Contract #GS-10F-0462M

Inv. #23440

Reporting Period: 11 February 2020 through June 30, 2021

subClin	in Site/Project Title		b Numb	er		Current Charges	Cumulative Charges	
Subolili	One of Tojost Thio	00	Action			Ollarges		Charges
		SSID	Code	OU	In	ıv. #23440		
0001AA	Ottawa Township Flat Glass Superfund Alternative Site	B5A7	NK	03	\$	3,892.72	\$	63,759.26
0001AA	Ottawa Township Flat Glass Superfund Alternative Site	B5A7	NK	04	\$	3,892.72	\$	63,759.25
0001AB	Union Carbide Corporation Superfund Site	05F4	BF	02	\$	1,331.48	\$	52,553.87
0001AC	St. Regis Paper Company Superfund Site	05J2	ОМ	00	\$ 3,006.26		\$	46,039.88
0001AD	Pristine Superfund Site	0556	ME	05	\$	5,085.76	\$	249,043.36
0001AE	Chemical Recovery Systems Superfund Site	0521	BE	01	\$	8,086.33	\$	120,604.61
0001AF	Lemberger Landfill Superfund Sites	053E	FE	00	\$	-	\$	322.34
0001AG	Lemberger Transport & Recycling Superfund Site	05J4	FE	00	\$	208.17	\$	6,054.23
0001AH	Hedblum Industries Superfund Site	05E9	ME	01	\$	531.99	\$	27,975.59
0001AI	SE Rockford Superfund Site	05DK	ОМ	02	\$	3,715.59	\$	23,868.48
0001AJ	Forest Waste Superfund Site	05D5	BF	02	\$	7,849.66	\$	50,813.92
0001AK	Motor Wheel Disposal	0585	FE	00	\$	57.83	\$	19,770.58
0001AL	Verona Well Field	0551	TA	01	\$		\$	-
0001AL	Verona Well Field	0551	TA	02	\$	17,286.04	\$	23,581.44
0001AM	Hagen Farm	053C	ME	02	\$	9,898.75	\$	10,761.84
				Total	\$	64,843.30	\$	758,908.65

1801 ROCKVILLE PIKE, SUITE 220, ROCKVILLE, MARYLAND 20852-1633 • TEL: (301) 718-8900 www.sspa.com • e-mail: MarylandDC@sspa.com



## David E. Dougherty Subterranean Research, Inc. 121 Beach Street, Unit 301 Boston, MA 02111-2501

(781)-710-1448 DDOUGHER®SUBTERRA.COM

7 July 2021

Jeanne Bailey
S. S. Papadopulos & Associates, Inc.
1801 Rockville Pike
Suite 200
Rockville, MD 20852

RE: Invoice ID: SSP20201-I17

Invoice Period: Through 30 June 2021

SSP&A Project No.: 1725

#### Dear Ms. Bailey:

Enclosed is an executed invoice for the billing period through 30 June 2021. A monthly progress report was sent to Dominique separately.

Please contact me with any questions (ddougher@subterra.com or 781-710-1448).

Sincerely yours,

SUBTERRANEAN RESEARCH, INC.

David E. Dougherty

Enclosures: Executed invoice

cc: D. Sorel, M. Tonkin

Subterranean Research, Inc. 121 Beach St., Unit 301 Boston, MA 02111-2501

INVOICE TO:

S. S. Papadopulos & Associates, Inc. 1801 Rockville Pike Suite 200 Rockville, MD 20852

RE: Our Invoice ID: SSP20201-I17

Invoice Period: Through 30 June 2021

SSP&A Project No.: 1725

0001AC	St. Regis	7.6	\$231.30/hr	\$1,757.88	None	\$0.00	\$1,757.88	\$42,472.23
0001AF	Lemberger Landfill	0.0	\$231,30/hr	\$0.00	None	\$0.00	\$0.00	\$0.00
0001AG	Lemberger Transport & Recycling	0.9	\$231.30/hr	\$208.17	None	\$0.00	\$208.17	\$5,731.87
0001AH 0001AM	Hedblum HagenFarm	2.3 19.9	\$231.30/hr \$231.30/hr	\$531.99 \$4,602.87	None None	\$0.00 \$0.00	\$531.99 \$4,602.87	\$27,653.25 \$4,602.87
Total Billin	rg:	30.7		\$7,100.91		\$0,00	\$7,100.91	\$80,460,22

Date: 7 July 2021

<sup>\*</sup> NOTE: Differences of pennies may occur due to rounding and accumulation.

		ACCIVATION
St. Regis	7.6	Review and comment on Revised Organoclay memo, Review 2020 Annual Report; Conference calls; Telephone;
T 1 T 1011		Email
Lemberger Landfill	0.0	<see &="" lemberger="" recycling="" transport=""></see>
Lemberger Transport	0.9	Conference call; Email.
& Recycling		
Hedblum	2.3	Review and comments on draft revised ICIAP letter and ICIAP report; Conference calls; Telephone; Email.
Hagen Farm	19.9	Review and comment on draft Five Year Review, Telephone, Email.

Prepared by:	BARDS	Date: _	8 July 2021
	David E. Dougherty		

## June 1, 2021 - June 30, 2021

Expense Code 1901 - Color copies 600 DPI				@\$0.25		
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	1193-004					1
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	1644-001 1725-001					15 5
	6030					3
	899					659
	Plank					1
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Expense	e Code 1911 - HP Colo	r Plotter			@\$10 pe	er sq
=====	Project Number	Number	of Plots	Sq. Ft		

## IN HOUSE REPRODUCTION COSTS FOR BILLING PERIOD 6 June 01, 2021 - June 30, 2021

SSP-	0430-0-914-01	0.12
SSP-	1644-001	6.36
SSP-	1725-001	1.92
SSP-	6030	0.00
SSP-	Plank	0.48
SSP-	0899	62.64



## S.S. PAPADOPULOS & ASSOCIATES, INC. ENVIRONMENTAL & WATER-RESOURCE CONSULTANTS

### Site Specific Detail Report

EPA TASK ORDER #: 68HE0520F0029

GSA Contract #GS-10F-0462M

Inv. #23440

Reporting Period: 11 February 2020 through June 30, 2021

					Current	Cumulative	ĺ
subClin	Site/Project Title	Job Number			Charges	Charges	
ļ.			Action				
L		SSID	Code	OU	inv. #23440	<i>J</i> : •	LINE
0001AA	Ottawa Township Flat Glass Superfund Alternative Site	B5A7	NK	03	\$×3,892.72	<b>/\$</b> 63,759.26	720
0001AA	Ottawa Township Flat Glass Superfund Alternative Site	B5A7	NK	04	\$ 3,892.72	<b>5</b> \$ 63,759.25	20
0001AB	Union Carbide Corporation Superfund Site	05F4	BF	02	\$ 1,331.48	\$ 52,553.87	ļ
0001AC	St. Regis Paper Company Superfund Site	05J2	ОМ	00	\$ 3,006.26	K\$ 46,039.88	
0001AD	Pristine Superfund Site	0556	ME	05	\$ 5,085.76	L\$ 249,043.36	
0001AE	Chemical Recovery Systems Superfund Site	0521	BE	01	\$ 8,086.33	\$ 120,604.61	j
0001AF	Lemberger Landfill Superfund Sites	053E	FE	00	\$ -	\$ 322.34	
0001AG	Lemberger Transport & Recycling Superfund Site	05J4	FE	00	\$ 208.17	L\$ 6,054.23	
0001AH	Hedblum Industries Superfund Site	05E9	ME	01	\$ 531.99	X\$ 27,975.59	
0001AI	SE Rockford Superfund Site	05DK	OM	02	\$太 3,715.59	<b>/</b> \$ 23,868.48	Ì
0001AJ	Forest Waste Superfund Site	05D5	BF	02	\$ 7,849.669	K\$, 50,813.92	
0001AK	Motor Wheel Disposal	0585	FE	00	\$ × 57.83	\$ 19,770.58	1
0001AL	Verona Well Field	0551	TA	01	\$ -	\$ -	
0001AL	Verona Well Field	0551	TA	02	\$X17,286.04	<b>/</b> \$ 23,581.44	<u> </u>
_0001AM	Hagen Farm	053C	ME	02	\$ 9,898.75	<b>K</b> \$ 10,761.84	
			***	Total	\$ 64,843.30	\$ 758,908.65	

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1725\_summary table thru 06302021.xlsx